

Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Texas

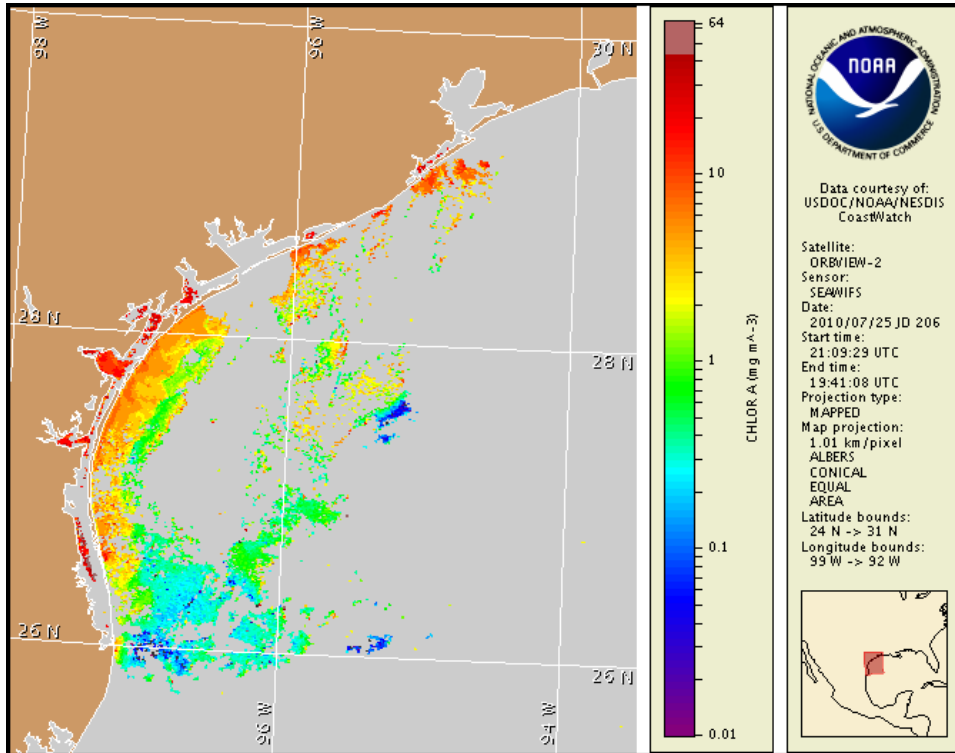
27 July 2010

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: July 20, 2010



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from July 17 to 22 shown as red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide:

http://tidesandcurrents.noaa.gov/hab/habfs_bulletin_guide.pdf

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

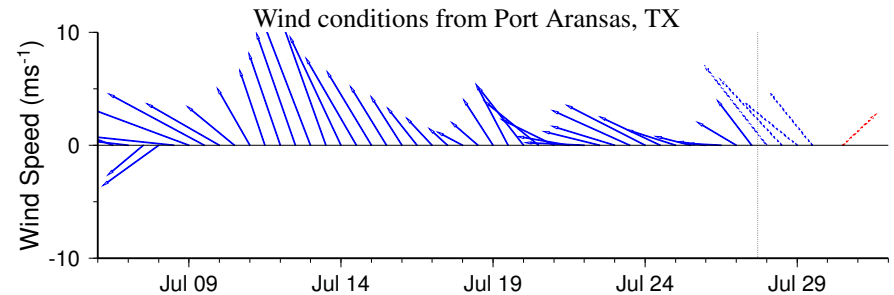
1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.

Conditions Report

There is currently no indication of a harmful algal bloom at the coast in Texas. No impacts are expected alongshore Texas today through Monday, August 2.

Analysis

There is currently no indication of a harmful algal bloom along the coast of Texas. Imagery is partially obscured by clouds, but there are patches of elevated chlorophyll visible near the coast from Corpus Christi south to Padre Island. Forecast models indicate negligible (<10km) southward transport from Port Aransas along the coast of Texas over the next three days. -Lopez, Derner, Neff

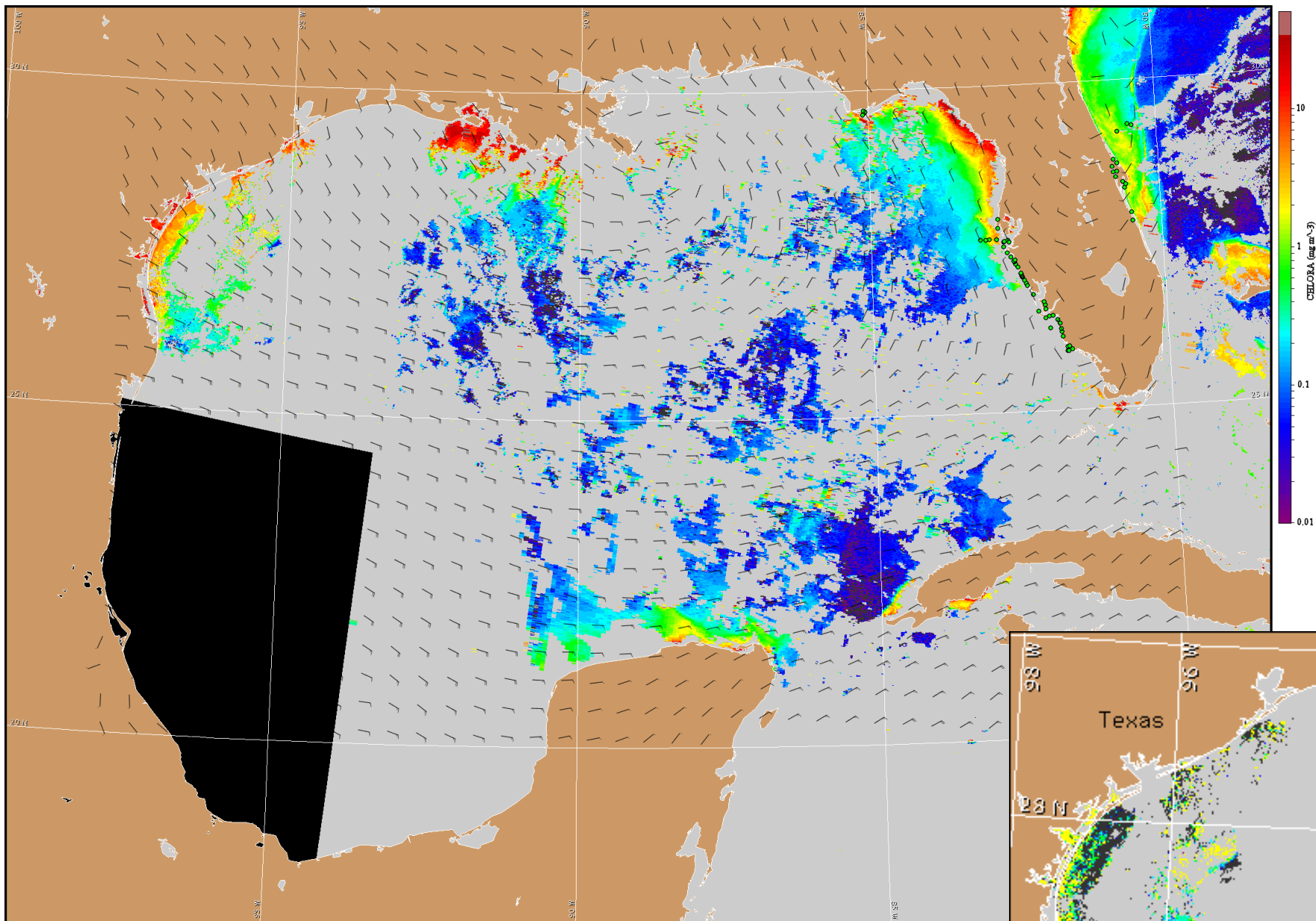


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts. Wind observation and forecast data provided by NOAA's National Weather Service (NWS).

Wind Analysis

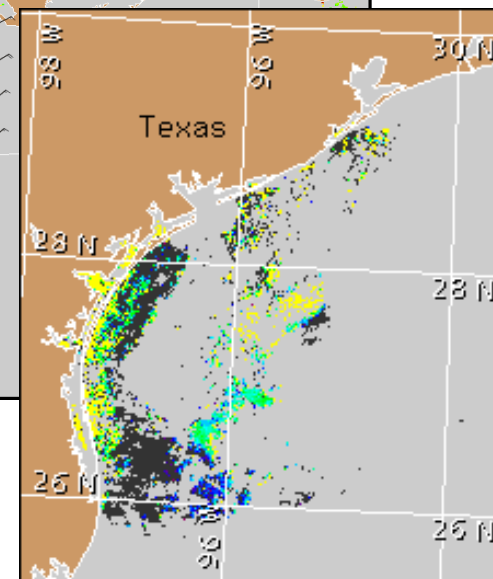
Today through Wednesday, southeast winds around 10-20 knots (5-10m/s). Thursday, southeast winds 5 to 10 knots (~3-5 m/s), shifting on Friday to south winds at 5-15 knots (~3-8 m/s).

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA CoastWatch bulletin archive: http://coastwatch.noaa.gov/hab/bulletins_ns.htm



Satellite chlorophyll image and forecast winds for July 28, 2010 12Z with Cell concentration sampling data from July 17 to 22 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide:

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Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).